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15 July 1964

Statement of Initial Objectives

CODIB

Ad Hoc Problem Group VI

Research and Development

I. Problem Group Objective

   To develop a Community coordinated Research and Development

   Program in the general field of non-numerical data processing,

   including automatic input devices, accociative memories, machine

   translation and other specific EDP areas for application in

   intelligence information processing operations.

II. Initial Problem Parameters

   A. Scope

      1. The program is to include both internal and sponsored

         external Research and Development, Systems, techniques, and

         equipment with potential to improve information processing

         operations in the Intelligence Community.

      2. Information processing, on all forms, sources, subjects,

         and languages of recognized importance to intelligence to

         be taken into consideration.

      3. Both hardware and software fall within scope of the

         program including indexing techniques, file organization,

         intelligence oriented machine programming, non-machine

         communication, communication degarbling techniques,

         automatic abstracting, file conversion, file organization,

         trends analysis, language translation, content addressing, and

         associated memories as well as electronic display equipment

         remote input/output stations, character sensing devices, etc.

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4. Techniques and means to facilitate the training of

   Community personnel in the newly developed equipment and

   techniques to be considered within the scope of the

   program.

5. Techniques and means for the introduction and testing

   of Research and Development results in the Community

   are within the scope of the program.

6. The controlled and qualified monitorship of sponsored

   external Research and Development is to be an aspect of

   the Community program.

B. Characteristics of the Coordinated R & D Program

   1. Program will take into account the full range of

      intelligence interests and needs.

   2. Program will provide for indications of R & D priorities within

      and between projects.

   3. Program will provide for reporting to the Community

      of overlap as well as gaps in the sponsored research and

      development.

   4. Pertinent details of R & D sponsored outside the Community

      will be included in the reporting system.

   5. The program will include provisions for means to determine

      community needs for particular R & D efforts through

      specification of information processing problems, and

      mechanisms for feeding these specs into the R & D

      Community.

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6. Projects should be related in some perspective to the
prospective
sponsor and results should be related to Community

needs and interest.

7. One of the principal features of the program will ·be

its own updating and reporting for current awareness.

C. Constraints

1. Only R & D of recognized intelligence interest to be

considered.

2. Plan must account for present Departmental R & D projects

and priorities.

3. Security classifications assigned to projects·by

sponsoring organizations will have to be observed.

·4. Full advantage must be taken of non-Community sponsored

R & D.

5. Relationship of reporting system to other R & D reporting

systems (e.g., DDC, NSF, SIE, etc.) must be specified to

avoid undesired repetition.

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III. Initial Problem Group Tasks

1. Obtain descriptions of all in-house and external R & D

   activities and projects. Descriptions to contain roughly

   the same elements as are on the Scientific Information

   Exchange (SIE) form ADP/RD-1. Descriptions should carry

   ~~fully describ~~ whatever security classification is required

   to fully describe the project and the particular intelligence

   processing needs addressed by the efforts.

2. Categorize and summarize present activities and projects by

   area of processing interest.

3. Solicit statements of R & D needs from each agency and consolidate.

4. Compare needs with present efforts for balance between problem

   areas.

5. Develop alternative rough configurations of a coordinated

   R & D program and contrast them with the aggregate of present

   departmental programs.

6. Postulate procedures and mechanisms for the detailed development

   and maintenance of a community R & D program and estimate

   required efforts.

7. Determine additional tasks required of the problem group.

8. Report to CODIB.

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IV. Schedule

    1. Problem group members to be designated by _____

    2. Initial report to CODIB to be ready by _____

V. Membership

    Participants will require full security clearances and be

knowledgeable of the state of the art in IP and be up to date on

research and development in the field, particulalry R & D under way

and within and sponsored by USIB Agencies.

VI. Guidance

    The problem groups will be under guidance of CODIB.